# AUTHOR INDEX


Adnet,J.J. 685
Agneray,J. 539
Albert,O. 685
Alfei,L. 53
Alino,S.F. 351
Alvarez,A. 351
Arenas-Diaz,G. 1
Arora,N. 127 , 239
Asonuma,H. 529
Aureli,T. 591
Aussel,C. 539
Baldoni,E. 373
Ballardini,G. 165
Barbera-Guillem,E. 605
Barca,M.A. 175 , 43
Barre-Sinoussi,F. 265
Becker,J.-L. 265
Beljanski,M. 17
Beljanski,MS. 17
Bellini,L. 373
Benkoel,L. 215
Best-Belpomme,M. 265
Bhattacharya,R.D. 407
Biagini,G. 165
Bianchi,F.B. 165
Bladier,D. 79
Bolmont,C. 663
Bolognani,L. 373
Boos,A. 439
Boveris,A. 507
Bravo,I. 323
Brosio,E. 639
Bruscalupi,G. 563
Busiello,V. 673
Butler-Browne,G. 663
Cabo,J. 649
Caldini,R. 361
Calio,F. 517
Campo-Aasen,I. 247
Cano,N. 215
Capaccioli,S. 361
Cardenas,H. 295
Carnicero,M.B. 1
Caron,M. 79
Casaba,G. 655
Castaldini,C. 165
Cerü,M.P. 191
Chamlian,A. 215 , 223

Chermann,J.-C. 265

Chevanne,M. 361

Chikamori,K. 407

Cho,Y.S. 97

Chrestian,M.A. 215

Chretien,M. 387

Ciancaglini,P. 553

Ciani,F. 615

Cibelli,A. 191

Clement,B. 449

Clementi,M.E. 563

Conti,F. 517 , 591

Convit,J. 247

Costanzo Di,J. 215

Costanzo-Dufetel Di,J. 215

Curti,C. 553

Cynober,L. 539

Dall'Orto,P. 165

De Lucca,F.L. 157

De Rey,B.M. 507

Del Monte,U. 361

Delfini,M. 591 , 639

Deliconstantinos,G. 383

Di Costanzo-Dufetel,J. 215

Di Costanzo,J. 215

Diana,G. 53

DiCocco,M.E. 591

DiGirolamo,A. 673

DiGirolamo,M. 673

DiNola,A. 639

Doljanski,F. 419

Dormont,D. 265

Duran,H.A. 507

Ekindjian,O.G. 539

Endo,S. 529

Fallani,M. 165

Farhoudy,N. 419

Franceschini,V. 615

Franic,L.I. 1 , 7

Fuentes,O. 323

Gaetani,S. 673

Gallinotto,M.E. 247

Gallo,V.P. 53

Garcia-Alonso,I. 605

Giulivi,C. 507

Gobetto,R. 591

Gomez-Ruiz,M.D. 649

Grimaud,J.A. 663

Grimaud,J-A. 449

Guerlince-Ulpat,I. 685

Guguen-Guillouzo,C. 449

Guillouzo,A. 449

Hadjiisky,P. 65

Hakim,A.A. 483

Hansson,E. 337

Hato,F. 465

Héloué,M. 89

Hidalgo,M.M. 1

Hilario,E. 351

Hilscher,B. 149

Hooper,N.I. 399

Hui,W.-M. 303

Hülsmann,H.G. 439

Ikeda,S. 529

Ishii,A. 255

Izquierdo,R. 649

Jain,M.C. 127, 239
Jamur,M.C. 27, 231
Joseph,C.E. 483
Joubert,R. 79
Kimura,J. 473
Kimura,S. 465
Kinoshita,H. 465
Kinoshita,Y. 465
Kovaks,P. 655
Lai,G. 135, 279
Lam,S.-K. 303
Lauro,G.M. 53
Lazure,C. 387
Leone,F.A. 553
Leoni,S. 33 , 563
Li,Z. 663
Lilienbaum,A. 663
Linard,C.G. 387
Liu,H.-C. 303
Lorenzato,M. 685
Lucca De,F.L. 157
Luparini,M.R. 517
Maki,Y. 529
Manes,F. 639
Manganaro,M. 517
Mangiantini,M.T. 33 , 563
Margotta,V. 53
Markson,Y. 419
Martinez-Murillo,P. 1
Martinez-Rodriguez,R. 1 , 7
Materazzi,G. 135, 279
Matsubara,T. 529
Matsui,M. 255
Mbikay,M. 387
Medolago-Albani,L. 53
Menghi,G. 135, 279
Mensez,J. 605
Meyer,W. 439
Miccheli,A. 517, 591
Millart,H. 685
Miura,Y. 255
Monte Del,U. 361
Moradillo,I. 43 , 175
Murakami,M. 529
Neri Cini,G. 361
Neumann,V. 295
Niu,L.C. 17
Niu,M.C. 17
Oda,T. 529
Ogneva,V. 143
Okano,M. 473
Okimoto,T. 465
Opekarova M. 629
Osaki,S. 571
Palladini,G. 53
Panigel,M. 97 , 461 , 697
Passos,G.A.S.Jr. 157
Paulin,D. 663
Pederzoli,A. 373
Perego,R. 361
Perez-Suarez,E. 247
Peyri,N. 65
Piciotti,D. 135, 279
Pizauro,J.M. 553
Polychronopoulos,E. 383
Pozo,M. 323

Quattrocchi,S. 639
Quevedo,L. 295
Raghu,R.G. 271
Rambotti,M.G. 621
Redi,C.A. 149
Repin,V. 143
Rey de,B.M. 507
Ricard-Blum,S. 581
Ricciolini,R. 517
Richoux,J.P. 461
Rissel,M. 449
Rodilla,F. 649
Rojas,S. 323
Roller,R. 419
Rönnback,L. 337
Rosei,M.A. 287
Rossodivita,M.E. 621
Saccardi,C. 621
Sanchez-Beltran,M.J. 649
Scherberich,J.E. 311
Schmidt,E. 295
Schoeppe,W. 311
Schwarz,R. 439
Scorsini,D. 53
Seidah,N.G. 387
Seki,S. 529
Serra,S. 33
Singh,S.N. 207
Sirois,F. 387
Solmi,R. 165
Sood,P.P. 271, 461, 693
Spagnuola,S. 33, 563
Spreca,A. 621
Stefanini,S. 191
Terano,Y. 255
Thornalley,P.J. 399
Tisdale,M.J. 399
Toledano,A. 43, 175
Török,O. 655
Toyokawa,T. 465
Trentalence,A. 33
Trichopoulou,A. 383
Trigun,S.K. 207
Tsukise,A. 473
Unnikumar,K.R. 271, 697
Vasi,V. 165
Vaubourdolle,M. 539
Viale,G. 165
Ville,G. 581
Vinay,S.D. 271
Viola,P. 591
Vistelle,R. 685
Vitaioli,L. 373
Vugman,I. 27, 231
Watanabe,S. 529
Wegmann,R. 89, 97, 107, 271, 461, 693, 697, 711
Weiss,D.W. 419
Winking,H. 149
Wolf,G.B. 311
Yamada,M-o. 407, 571
Yamamoto,K. 571
Yamashita,S. 571
Yan,S. 17

# SUBJECT INDEX

Abell method : prostate
383

Acetylcholinesterase : brain of frog
615

Acid phosphatase : brain
271

AcP-A : mast cells
231

Actin filaments : immunogold staining
165

Acyltransferase : brain of frog
615

Adenyl cyclase : EM in liver
621

Adrenergic : receptors
295

: synapses
295

Age : fiber orientation changes
571

Ageing : of brain
33

AKI cells
255

Alkaline phosphatase : bone matrix
553

: ovary
439

: porc kidney
89

Allopurinol :ureogenesis inhibition
649

Alloxane : diabetes induction
143

Alu sequences
529

Alveoli : macrophages
507

Amino acid : incorporation in liver
361

: transport in stomach
323

: tRNA synthetase, hepatom
361

: uptake in synoviocytes
539

uptake stomach
323

: ergic neurotransmission
43

Amnio-chorion antibodies
697

Amphetamine : effect on cerebellum
43

Angiotensinogen : foetal brain
465

Anti cancer agents
255

Anticoagul. propert. sublingual gland
279

Antigen : differentiation in kidney
311

Antioxidant enzymes
507

Aorta : wall fiber orientation
571

Aorta wall : pigeon
65

Asparte aminotransferase : brain
1, 7, 43

Astrocytes : modulation effects
337

: morphine effects
337

Atherosusceptibility
65

ATP : brain metabolites
591

Bacitracin : effect on synoviocytes
539

Basic protein
27

Beta oxidation : in rat liver
191

Bile canaliculi : membranes
215

: ouabain effects
215

Blood vessel : fiber orientations
571

Bone matrix : alkaline phosphatase
553

: p.NO2 phenyl phosph.-A
553

Book reviews
107,223,711

Bovine : pregnancy
439

Brain : acid phosphatase
271

: effect of methylmercury
271

: extracts of mouse
79

Brain : renin in chromatin
693

Brenzbromarome : ureogenesis inhibit.
649

Buffaloes : seminal plasma
127,239

: sperm pack
127

Burkitt's lymphoma : cell cycles
399

Cadmium : effect on placenta
97

Cancer : anti cancer agents
255

Cancer : human melanoma
255

: immunologic memory
157

: kidney peptidases
311

: liver amino acids
361

: mouse melanoma cells
255

Carbon tetrachloride : liver ADC-A
621

Catalase : liver of rats
191

Cattle : semen
127,239

Cattle : sperm pack
127

Cell : aggregations
79

: authentication lymphobl.cells
529

: cultures
247,255,265,449,
517

: cycle
399

: cycle in lymphobasts
399

: enterochromaffin
303

: enzyme cycle adaptation
407

: enzyme turnover
419

: interaction
79

: membrane glycoconjugates
483

: membranes oligosaccharides
483

: mouse brain
79

Centrifugation : kidney extracts
89

Cerebellum : ageing
7,175

: Cytos.amin.asp.transf.A
7,43

: mitochond. dehydrogenase
175

Cerebrum : phosphorylated metabolites
591

Chang liver cells : imprinting
655

Chick : embryo sulfate metabolism
419

Chick embryo : extracellular matrix
419

Cholesterol oxides : human serum
383

Cholesterol oxides : prostate
383

Choline acetyltransferase: frog brain
615

Chronobiology : dehydrogenases
407

Clofibrate : effects on rat liver
191

Cocultivation : retrovirus and T-cell
529

Collagen : cross-linking
581

: type I in liver
449

: type IV in liver
449

Colon : carcinoma
157,483

Complementary sequences
17

Compound 48/80 : effect on heparin
231

Connect.tiss. : collagen cross-link.
581

Connective tissue : aorta wall
571

Corpus luteum : alkaline phosphatase
439

Cross-linking : collagen
581

CTL : test in melanoma
255

Culture : ecdysterone on cells
265

: hepatocytes and collagen
449

: leishmanias
247

: melanoma cells
255

: Trypanosoma lewisi
517

Cyanomolgus monkey
387

Cyclosporin : liver regeneration
605

Cysteamine dioxygenase : starvation
287

Cytoskeleton : hepatocytes
165

: reorganisation, liver
165

Dehydrogenases : postnatal rat liver
407

Desoxypyridoxine : heart effect
685

Desulfation: extracellular matrix
419

Development in vivo
79

Diabetes : alloxane induction
143

: rats
465

: streptozotocin induction
465

DNA : cDNA in colon carcinoma
483

: cDNA polymerase
17

: synthesis
149

Dog : stomach
323

Drosophila melanogaster : ecdysterone
265

Dugesia Monocephala
53

Ecdysterone : effects cell cultures
265

Electron transfer chain : yeast
629

Endoplasmic reticulum : membranes
33

Energetic metabolic functions
7

Enzymes : antioxydative
507

: liver adaptation pattern
407

Eosinophils
27

Erythroleukemic cells : NADH cyt3 red
673

Estradiol : effects on sulphatides
373

: on frog oviduct
373

Extracellular matrix : desulfation
419

Extravill. cytotrophoblast antibodies
697

Fetal brain : renin in chromatin
693

Fiber orientation : in aortic wall
571

Fibronectin : in metastasis
483

Friend cell differentiation : leukaem.
673

Frog : oviduct sulphatides
373

Gastric mucosa : aspart.amino trans.
1

: indomethacin effects
351

: ultrastructure
1, 7, 27

Gene expression : prostate
387

Glucose-6-phosphatase : hepatocytes
563

: liver
33,563

Glutamate dehydrogenase : cerebellum
43

Glutathione concentration
127

Glycoconjugates : Bartholin's glands
473

: mouse
279

: rat
279

: sublingual gland
279

Glyoxalase : activity in lymphoblasts
399

Golgi region : mast cells
231

Hares : sublingual glands
135

Heart : isoprenalin
685

Hemocoagulation : screening test
135

Heparin : mast cells
231

Hepatectomy : cyclosporin activity
605

Hepatic microsomes : rat
33

Hepatocytes : collagen production
449

: ureogenesis inhibition
649

Hepatoma : rat
361

Heterozygotes : robertsonian
149

Histamine : gastric mucosa
303

Histochemistry : glands of Bartholin
473

Histoenzymology
1, 65

Human : desmin genes in muscle
663

: kidney brush border cells
311

: stomach enterochromaff.cells
303

Human chorion. gonadotrop. : placenta
697

Hybridization : mRNA - cDNA in colon
483

Hybridization in situ : desmin gene
663

Hydration : mechanisms in lettuce
639

Hydrocortisone : effect on collagen
449

Hydrogen peroxide : stomach
351

Hydrolases : effect of C 48/80
231

Hypercholesterolemia : G6P-A in liver
563

Hypophysectomy : effect on ovary
373

Hypouricemic drugs : ureogenes.inhib.
649

Immunocytochemistry : applications
1,7,449,461

: liver collagen
449

: placenta
697

Immunofluorescence : actin filaments
165

Immunogold staining : actin filaments
165

Immunology : iRNA
157

: memory
157

Infectivity : human T- & B-cells
529

Inhibition : protease of hepatocytes
655

Insulin : effect on starvation
287

: imprinting
655

: metabolism
539

: resistance of synoviocytes
539

: synthesis
143

: secretion
143

Interferon Y : melanoma cells
255

Intermediate filaments : desmin genes
663

Intoxication : phalloidin
165

CCl 4 : EM of Ad.Cyclase
621

Islets of Langerhans
143

Isoprenaline : rat heart effect
685

Isovolumetry : isolated heart
685

Isozyme patterns : lymphoblastoid
529

Karyotypes : AKI cells
255

Kidney : bovine
89

: brush border cells
311

Lactogen : placenta
697

Langerhans islets
143

Lectins : glands of Bartholin
473

Leishmania : phagocytosis
247

Lettuce seeds : Proton NMR relaxation
639

Leukocytes : polymorphonuclear
351

Liver : adenyl cyclase and CCl 4
621

: collagen
449

: cytoskeleton reorganisation
165

: during starvation
287

: glucose-6-phosphatase
563

: G6P-A in rat microsomes
33,563

: hepatoma in rats
361

: human p-NO2-phen. phosphatase
215

: peroxysomes in rats
191

: postnatal rat dehydrogenases
407

: rat microsome G6P-A
563

: regeneration
33

: succinodehydrogenase
605

Lonidamine : effect, trypanosomiasis
517

Lycorine : on nerve and skin
295

Lymphoblastoid cells : human
529

Lymphoblasts : transformed cells
399

Lymphocytes T
157

Lysine transport : yeast

Macrophages : in alveoli
507

Mast cell : maturation
27

: regranulation
231

Matrix : extracellular sulfation
419

Melanoma : novel stain
255

Melanoma cells : human cell culture
255

: mouse
255

Membrane : bile canaliculi
215

: endoplasmic reticulum
33

: ouabaine effect in liver
215

Memory : immunological
157

Metamorphosis : frog brain
615

Metastasis : aggessiveness
483

Methemoglobine reductase : leukemia
673

Methylmercury : antagonists in brain
271

: effect on brain
271

Microchemistry : insuline secretion
143

Microsomes : G6P-A in liver
563

: in liver of rats
33

Mitochondria : dehydrogenases cerebel
175

Molecular evolution
53

Molecular orientation analyzer
571

Monoclonal antibodies : actin filam.
165

Monoclonal antibodies : cerebellum
175

Morphine : effect on stomach
323

: effects on astrocytes
337

Mouse : spermatocytes
149

: sublingual glycoconjugates
279

Muscle : molecular properties
207

Myocytes : atherosusceptibility
65

Myopathies : desmin marker
663

NADH-cytochrome b5 reductase : RBC
673

Necrosis factor : tumor
255

Nerve cells : angiotensionogen
465

Nerve growth factor
53

Nerve-skin preparation
295

Neurofilaments : desmin genes
663

Neurotransmission : aminoacids
43

Nissl bodies : angiotensinogen
461

NMR : T 1 and T 2 relaxation times
639

: 31 P phosphorylated metabolites
591

Optic tectum : frog metamorphosis
615

Ouabain : basolateral membrane effect
215

Ovariectomy : on the frog
373

Oxidative stress : macrophages
507

Oxytocin : placenta
697

Pachytene spermatocytes
149

Paired tracer dilution technique
323

Pancreas : islets of Langerhans
143

Peptidases : renal brush border cells
311

Peritoneum : macrophages
507

Peroxidase : stomach
351

Phalloidin : liver intoxication
165

Phenylphosphatase : inhibitors
553

Phosphofructokinase : muscle kinetics
207

: skeletal muscle
207

Phospholipids : brain metabolites
591

Pigeon : aorta wall
65

Placental ultrastructure
97

Planarians
53

Poly (A) : reverse transcriptase
157

Polymorphonuclear leukocytes
351

Post-natal development
7, 33, 79

Pregnancy : bovine corpus luteum
439

: G6P-A in liver
563

: hypercholesterolemia
563

Prenatal development
33, 79

Primary culture : hepatocytes
449

Probenecid : ureogenesis inhibition
649

Prolactin : placenta
697

Prostate : secretory protein
387

Protease : inhibitors hepatocytes
655

Protein secretion : prostata
387

Purkinje cells
7,43,175

Rabbit globin m-RNA
17

Raji cells : Burkitt's lymphoma
399

Rana esculenta : ovariectomy
373

: oviduct sulphatides
373

Rat : brain nerve cells
461

: brain, methylmercury, antagon.
271

: chromatin fetal brain renin
693

: culture trypanosoma
517

: diabetes
465

: effect of starvation on liver
287

: heart during starvation
287

: hepatoma and tRNA levels
361

: methylmercury on brain
271

: placenta succino deshydrogenase
97

Receptors : adrenergic
295

Refeeding : liver and insulin
287

Regeneration : liver succ.dehydrogen.
605

Renin : in chromatin
693

: placenta
697

Rest activity : liver dehydrogenases
407

Restriction map : desmin genes
663

Retrovirus : lymphoblastoid cells
529

Reverse transcriptase
17,265

Rheumatoid arthritis : cell culture
539

Ribonuclease A : on fish protein

RNA : cRNA transcription
17

: immune RNA (iRNA)
157

: mRNA in myopathies
663

: tRNA levels in hepatomas
361

: tRNA synthetase complexes
361

Robertsonian heterozygotes
149

Screening test : hemocoagulation
135

Seed : lettuce NMR relaxation times
639

Semen : buffaloes
127

: cattle
127

Seminal plasma : buffaloes
127,247

Serotonin : mast cells
231

Silver method
27

Skeletal muscle : phosphofructokinase
207

Southern blot technique
17

Soybean lectin : lymphocytes
465

Sperm pack : buffaloes
127

Spermatids : round types
149

Spermatocytes : buffaloes
127

: pachytene
149

Starvation : effect on liver
287

Stomach : effect of indomethacin
351

: enterochromaffin cells
303

: histamine
303

: indomethacine, peroxidase.
351

: perfusion
323

: superoxides
351

: vagus nerve
303

Streptozotocin : thymic lymphocytes
465

Sublingual gland : glycoconjugates
279

: hares
135

Sulfate metabolism : chick embryo
419

Sulphatides : in oviduct
373

Superoxide anion : in stomach
351

Synoviocytes : amino acids uptake
539

Tetrahymena : insulin imprinting
655

Thermal inactivation : phosphatase
553

Thrombin time
135

Thromboplastin time
135

Thymidine $^{3}H$- labelling : spermatids
149

Thymosin : lymphocytes
465

Thymus : thymocytes
465

TmP-A : mast cells
231

Transcriptase reverse
17,265

Trypanosomiasis : lonidamine effect
517

Tumor necrosis factor
255

T1 and T2 relaxation time : lettuce
639

Ultracytochemistry : aden.cycl. liver
621

Ultrastructure : ADC-A in liver
621

: brain
1, 7, 43, 175

Ureogenesis : inhibition
649

Vestibular glands
473

Vimentin : myopathies gene marker
663

Water : content in lettuce seeds
639

Yeast : lysine transport
629

**Reproduced with the permission of Pergamon Press Inc., by University Microfilms Inc. Duplication or resale without permission is prohibited.**